

Title (en)
SECURITY FEATURE AND METHOD FOR PRODUCING THE SAME

Title (de)
SICHERHEITSMERKMAL UND VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)
CARACTÉRISTIQUE DE SÉCURITÉ ET PROCÉDÉ DE PRODUCTION DE CELLE-CI

Publication
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Application
EP 16716165 A 20160411

Priority

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Abstract (en)
[origin: WO2016177447A1] The invention relates to a method for producing a security feature for a security element, a security paper or a data carrier, which comprises a substrate (18), wherein the substrate (18) is provided with a marking substance (19), which can be modified in its colour by laser radiation (44), holes (16) that have a rim and are of a certain hole cross section (C) are introduced into the substrate (18) by the effect of laser radiation (44) that is distributed in intensity in the beam cross section (30), wherein at the same time, on account of the intensity distribution (30) over the beam cross section, the marking substance (19) is modified by the laser radiation (44) in a zone (20) that surrounds the rim and is of a certain zone width (A) such that the ring is coloured, wherein the holes (16) perforate an area (14) and all neighbouring holes within the area (14) are arranged at a centre-to-centre hole spacing (D) from one another that is no greater than 2.5 times the sum of the maximum hole diameter and twice the zone width (A).

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